

Waterfront Maintenance Note Number 6**Micro-Miniature (2M) Repair Utilization**

Ref: (a) NAVSUP P485 Afloat Supply Procedures
(b) NAVSUP P485 Chapter 7 Supply Afloat and Field Packaging Procedures

1. Purpose: To establish procedures for requesting SERMC Micro-Miniature (2M) Repair.

2. Background: Virtually all Combat Systems and Engineering Plant equipment are listed in the Gold Disk database, which gives SERMC the capability of repairing over 109,000 types of Circuit Card Assemblies (CCAs). 2M utilization is a "Front-line strategy" in cost avoidance, a top priority for the US Navy. Ship's force should aggressively submit all CCAs beyond ship's force repair capability to SERMC for repair.

3. Procedure:

- a. For 2M repair work, ships are not required to submit an OPNAV 4790/2K. All that is required of the ship is delivery of the item requiring repair to SERMC 2M repair shop.
- b. Automatic Test Equipment (ATE) used at SERMC to troubleshoot failed CCAs is based on previously programmed data (Gold Disk Database). If no Gold Disk Database exists for the failed CCA, a known good card will be required to create a new database for that specific card. Once a database is created, future repairs to that type card will be possible using the Gold Disk Database.
- c. In order to minimize electrostatic discharge (ESD) damage to CCAs, proper handling procedures shall be followed to include transporting the items in ESD safe containers IAW ref b.
- d. When urgency of repair requires the issue of a new CCA from supply stock, a remain-in-place (RIP) certification should be used to allow SERMC the opportunity to repair the failed CCA. IAW ref a, Ship Supply Officers can delay stock reissue and not ready for issue (NRFI) DLR carcass turn-in for up to 72

hours to allow for SERMC testing and repair. Repaired CCAs can be returned to supply stock as RFI upon completion of certification testing. If repairs cannot be made, NRFI CCAs should be turned in to supply for stock replenishment.

4. Points of Contact: For specific questions concerning SERMC capabilities, contact SERMC Mayport code 952A at 904-270-5126 x3059 or x3162, DSN 960-5126 x3059.